ORDER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

1600.63

12/22/88

SUBJ: JOINT ATMOSPHERIC CONNECTIVITY SECURITY CLASSIFICATION GUIDE

1. PURPOSE. This order transmits as Appendix 1, U.S. Air Force Joint Atmospheric Connectivity Security Classification Guide, dated February 1, 1988.

2. DISTRIBUTION. This order is distributed to the division level in the Air Traffic Operations, Air Traffic Plans and Requirements, Program Engineering, and Systems Maintenance Services, the System Engineering and Program Management Office and the Aviation Standards National Field Office, to the division level in the regional Airway Facilities, Civil Aviation Security, and Air Traffic Divisions with a limited distribution to all field offices and facilities.

3. CANCELLATION. Order 1600.49A, Classification of Joint-Use Radar Information, dated July 13, 1979, and Order 1600.52B, Security Classification Guide for the Joint Surveillance System, dated August 29, 1987, are canceled.

4. REQUESTS FOR INFORMATION. Questions on interpretation of the attached guide should be submitted to the FAA servicing security element.

Raymond A. Salazar
Director of Civil Aviation Security

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE
DETERMINED UNDER 5 U.S.C. 552

Distribution: A-W(TO/TR/PS/SM/ES/VN)-2; A-X(AF/CS/AT)-2
A-FOF-C (LTD)

Initiated By: ACS-320

FOR OFFICIAL USE ONLY

JOINT ATMOSPHERIC CONNECTIVITY

SECURITY CLASSIFICATION GUIDE

ISSUED BY:

HEADQUARTERS NORTH AMERICAN AEROSPACE DEFENSE COMMAND (NORAD)
PETERSON AFB, COLORADO 80914-5002

James L. Kelly
ORIGINAL CLASSIFICATION AUTHORITY
HQ NORAD/NCO

1 FEB 1988

THIS GUIDE SUPERSEDES 968H SCG, 30 MAR 79, AND 416L SCG, 1 APR 79. COPIES OF SUPERSEDED GUIDES SHOULD BE DESTROYED.

LOCAL REPRODUCTION AUTHORIZED

FOR USE BY US GOVERNMENT AND ITS CONTRACTORS, AND BY CANADIAN GOVERNMENT AGENCIES WHOSE ACTIVITIES SUPPORT NORTH AMERICAN AEROSPACE DEFENSE.

The following agencies concur in the provisions of this Joint Atmospheric Connectivity Security Classification Guide. The guide will be amended as required throughout the life of the system and signature hereon certifies acceptance of this Security Classification Guide.

FOR HQ NORAD
J.M.L. BOURGEOIS
Major General, CF
Director, NORAD Combat Operations

FOR HQ TAC
DAVID L. LEDBETTER, Colonel, USAF
Director, Command and Control Systems

FOR AFLC-LOC
ROGER M. DARNELL
Assistant to the Commander

FOR NDHQ
R.P. FRASER
Colonel, CF
Director Electronics Engineering and Maintenance (DEEM)

FOR HQ PACAF
JAMES E. CHAMBERS
Brigadier General, USAF
Deputy Chief of Staff, Operations

FOR HQ AAC
EUGENE F. BIGHAM
Colonel, USAF
Asst DCS, Operations

FOR FAA
Director, Systems Maintenance Service, ASM-1

JOINT ATMOSPHERIC CONNECTIVITY
SECURITY CLASSIFICATION GUIDE

TABLE OF CONTENTS

TABLES

(THIS PAGE INTENTIONALLY LEFT BLANK)

JOINT ATMOSPHERIC CONNECTIVITY
SECURITY CLASSIFICATION GUIDE

SECTION 1

GENERAL INSTRUCTIONS

1. PURPOSE: To provide instructions and guidance on the classification of information involved in Joint Atmospheric Systems.

a. The Joint Surveillance System (JSS) Program was established to acquire and deploy a peacetime air surveillance and control system to replace the Semi-Automatic Ground Environment (SAGE) and Back-up Interceptor Control (BUIC) systems for the CONUS and Canada, and the manual ground environment systems in Alaska and Hawaii. The mission includes varied levels of support of wartime air defense functions. The JSS will provide TAC, AAC, PACAF and CF with a ground-based command and control (C2) capability. The term JSS System used within this guide refers to the nine Region/Sector Operations Control Centers (4 CONUS, 2 Canada, 1 Alaska, 1 Iceland and 1 Hawaii); the Long Range Radar sites which are either military owned or USAF/FAA joint use; aerostat radars; USAF Height Finders; and the Distant Early Warning (DEW) Line radar sites. The ROCCs/SOCCs will interface with selected ARTCC facilities for maximum efficiency in the operational environment, and the ROCC/AWACS Digital Information Link (RADIL) system for the exchange of digital track data with the AWACS aircraft. Other systems will be added to this guide when applicable. The Unified Command Plan JCS Memorandum SM-729-83 describes Unified Command responsibilities and JSS mission task for peacetime and wartime. All users of the JSS radar data must abide by this guide (i.e. NAVY, CINCLANT...).

b. This guide supersedes all previous security guidance concerning the JSS (968H), SAGE/BUIC (416L/M), SEEK SKYHOOK (TARS), Air Forces Iceland (AFI) and DEWLINE including all DD Forms 254 executed previously between the Air Force and any of its contractors. Revised DD Forms 254 will be executed with this security classification guide.

2. AUTHORITY: a. This guide is issued under the authority of DOD 5200.1-R/AFR 205-1, Information Security Program Regulation and, in Canada, A-SJ-100-001/AS-000, Security Orders for the Department of National Defence, Volume I-General, A-DP-300-010/AA-000, DND Policy for Security of Automated Data Processing and A-DP-300-090/AG-000, DND Security of Automated Data Processing Personnel and Facilities. Additional authorities include the Memorandum of Understanding between the USAF (SM-ALC) and the CF (NDHQ/DEEM), Section IX "Security and Intellectual Properties" and the Security Agreement between the US and Canada. The Original Classification Authority for this Security Classification Guide is NORAD/NCO. This guide and any subsequent changes will be reviewed by the Joint Radar Planning Group IAW the JRPG groundrules, and coordinated with the applicable commands.

b. If any conflict exists between security guidance in other directives and the guidance contained in this SCG, the information in question will be protected at the highest level of classification. Conflicts will be reported to the OPRs of all conflicting directives.

c. The designations, markings and other requirements of Executive Order 12356 are to be applied to information classified persuant to this guide in accordance with DOD 5200.1-R/AFR 205.1, Information Security Program Regulation.

3. OFFICE OF PRIMARY RESPONSIBILITY (OPR): This guide is issued by, and all inquiries concerning content and interpretation should be addressed to NORAD/NCOC, Peterson AFB CO 80914-5002, with information copy to NDHQ/DEEM Ottawa, Ontario, Canada K1A OK2. Office of collateral responsibility is AFSPACECOM/SPI.

4. CLASSIFICATION RECOMMENDATIONS: If the security classifications contained in this guide impose requirements that are impractical; or if current conditions, changes or progress attained in this effort, scientific or technological changes in the state-of-the-art, or any other contributory factors indicate a need for changes in this guide, completely documented and justified recommendations should be made through appropriate channels to the OPR. Pending final decision thereon, the items of information involved shall be handled and protected at the higher of the current classifications or the recommended changes. All users of this guide are encouraged to assist in improving and maintaining the currency and adequacy of this guide.

5. APPLICATION, REPRODUCTION AND DISSEMINATION: Authority is granted to make reproductions, and extracts or selections of portions of this guide for application by specified groups involved with systems identified herein including industrial activities.

6. PUBLIC RELEASE: The fact that this guide shows certain details of information to be unclassified does not allow automatic public release of that information. None of the restrictions or requirements stated in this paragraph apply to the FAA in the conduct of its day-to-day business as is mandated by the Federal Aviation Act of 1958, including the coordination of air traffic operations with foreign governments and the fostering and development of civil aeronautics and air commerce in the United States and abroad. However, the restrictions and requirements of this paragraph do apply to the FAA in circumstances not conforming to the policy outlined in FAA Order 1200.22A, Use of National Airspace System (NAS) Computer/Radar Data or Equipments by Outside Interests.

a. Any proposed release to the public of official information pertaining to these systems must be forwarded to HQ NORAD/Public Affairs, Peterson AFB CO 80914-5001 for review and further processing. HQ NORAD/PA will coordinate with the appropriate US and Canadian agencies. The term "release" applies, but is not limited to, articles, speeches, photographs, brochure advertisements, displays, presentations and so on, on any phase of these systems. The term "release" does not apply to information such as personnel awards, decorations, etc., which may be disseminated without going through NORAD Public Affairs. It is incumbent upon defense contractors, or other agencies, to screen all information submitted by them for material certification to ensure that it is both unclassified and technically accurate. Letters of transmittal must contain certification to this effect. The number of copies produced and distribution of the document must be extremely limited and strictly controlled until review is completed. If suspected classified information is found during the review process, all holders

of the document will be informed of the degree of protection required. When doubt exists concerning the classified status of a proposed release pertaining to these systems, the final decision will be rendered by NORAD/NCO as OCA. Public release for contractor will process requests IAW the instructions contained in DD Form 254, Item 13. The material submitted for review must include a valid suspense date if applicable. Request for public release certification according to DOD Manual 5520.22M, Industrial Security Manual forSafeguarding Classified Information (attachment to DD Form 441, Security Agreement), must be submitted to the Directorate of Public Affairs, HQ NORAD, Peterson AFB 80914-5002, for review and further processing. Five copies of the proposed public release material must be submitted at least four weeks before approval is needed. (For further clarification and guidance on information certification procedures see AFR 190-1 in U.S. and A-SJ-100-001/AS-000 Vol I in Canada.)

b. Only information that has been reviewed and certified for public release may be released; however, the decision or authority to release falls within the purview of those officials who have responsibility to govern the program for which the material was developed.

c. Only information which already has been approved for public release may be released without further recourse. Information developed after initial approval for public release must be submitted for review and further processing as outlined in para 6a above.

d. Prime or associated DOD contractors are responsible for ensuring that each of their subcontractors are aware of and comply with the above requirements. Only material proposed for release by subcontractors will be routed through their prime or associated contractor. The latter shall make appropriate comments if he concurs in the release, or he may reject the proposal without further recourse if appropriate.

e. Approval for public release does not satisfy the export licensing requirement of the Departments of State and Commerce.

f. PRESENTATION OF INFORMATION AT PUBLIC SYMPOSIA, SEMINARS, CONFERENCES, ETC: Request for such presentation of classified information shall be submitted to HQ NORAD/PA, Peterson AFB CO 80914-5002, for review and approval. Public Affairs will coordinate with appropriate US and Canadian agencies. Two copies of all material will be submitted a minimum of four weeks prior to proposed presentation date. Any information authorized for presentation IAW this paragraph will reflect that the work reported upon is sponsored by the applicable government agency. If foreign nationals are expected to be present at such a conference, para g, below, applies.

g. REQUESTS FOR RELEASE OF INFORMATION TO FOREIGN GOVERNMENT OTHER THAN CANADA:

(1) Any military activity or Defense contractor receiving a request from a foreign government or international organization, or their representatives, for information related to these programs, except information and materials cleared for public release under the auspices of DOD and DG Info Public Affairs programs, will forward all such requests to Command Foreign Disclosure Policy Office (HQ AFSPACECOM/CSF) Peterson AFB CO 80914-5002.

(2) Foreign national or immigrant/resident alien employees of the contractor/subcontractor(s), including those possessing Canadian or UK reciprocal clearances are not authorized access to classified information resulting from or used in the performance of these programs unless authorized in writing by HQ AFSPACECOM/CSF, Peterson AFB CO 80914-5002.

(3) US agencies will not release Canadian or jointly produced material without prior approval from Canada; Canada will not release US or jointly produced material without prior approval from the US. Requests for Canadian approval of releases should be forwarded to the ROCC Life Cycle Materiel Manager (DEEM 2). National Defence Headquarters, 101 Col By Drive, Ottawa, Ontario, Canada, K1A OK2.

(4) Classified documents proposed for transfer to a foreign activity will be submitted to HQ AFSPACECOM/CSF, Peterson AFB CO, for release determination. If determined to be releasable to a foreign government, then all identical documents shall be labeled "Releasable to (country)". This statement should appear once on the cover of classified and unclassified documents. The first line of electrically transmitted information should state, as appropriate, "Message Releasable to (country)".

h. RELEASE OF UNCLASSIFIED TECHNICAL INFORMATION

(1) To United States citizens, United States agencies, foreign representatives, or foreign national residing in the US: All DOD agencies or contractors shall forward requests for release of such information pertaining to systems covered by this guide to HQ AFSPACECOM/CSF for coordination and processing.

(2) Requests for release of unclassified information originating from Canadian citizens, agencies, or contractors shall be forwarded to NDHQ/DEEM 2 for coordination and processing.

7. DEFINITIONS:

3D	3-Dimensional
416L/M	SAGE/BUIC Program
968H	Joint Surveillance System Program
AAC	Alaskan Air Command
AADS	Automated Atmospheric Defense Systems
AD	Air Defense
AF	Air Force
AFB	Air Force Base
AF Form	Air Force Form
AFI	Air Forces Iceland

AFLC	Air Force Logistics Command
AFR	Air Force Regulation
AFSC	Air Force Systems Command
AFSPACECOM	Air Force Space Command
APS	Applications Set-Operations Software
ARTCC	Air Route Traffic Control Center
AWACS	Airborne Warning and Control System
BOD	Beneficial Occupancy Date
BUIC	Back-up Interceptor Control
C	Confidential Classification
C2	Command and Control
CAP	Communications-Electronics Authorization Program
CC	Control Center
C-E	Communications-Electronics
CF	Canadian Forces
CINCLANT	Commander in Chief, Atlantic
CLASS	Classification Is
COMPOOL	Software Common Data Base
CONUS	Continental United States
CORL	Complete Operational Recording List
CPC	Computer Program Component
CPCI	Computer Program Configuration Item
DC	Display Controller
DCS	Deputy Chief of Staff
DD Form	Department of Defense Form
DECLAS(D)	Declassify On
DEEM	Director Electronics Engineering and Maintenance
DG INFO	Director General, Information
DEW LINE	Distant Early Warning Line
DIS	Diagnostics Set
DLO	Delayed Line Output
DND	Department of National Defence
DOD	Department of Defense
DRS	Data Reduction Set
DT&E	Development, Test and Evaluation
E3	AWACS Aircraft
ECAC	Electromagnetic Compatibility Analysis Center
ECCM	Electronic Counter-Countermeasures
ECM	Electronic Countermeasures
EO	Executive Order
ESD	Electronic Systems Division
ESR	Equipment Status Report
ETRO	Estimated Time to Return Operational
FAA	Federal Aviation Administration
FMC	Fully Mission Capable
FOC	Full Operation Capability
FOUO	For Official Use Only
GDG	Geography Data Generator
GSE	Ground Support Equipment
HQ	Headquarters

HF	Height Finder Radar
IAW	In Accordance With
ICCE	Iceland Command and Control Enhancement
IFF	Identification Friend or Foe
IN	Directorate of Intelligence
IOC	Initial Operational Capability
ITAR	Department of State International Traffic in Arms Regulation
JCS	Joint Chiefs of Staff
JRPG	Joint Radar Planning Group
JRT	JSS Recording Tape
JSS	Joint Surveillance System
JSS PO	JSS Program Office
JTAO	Joint Tactical Air Operations
LRR	Long Range Radar
MI	Manual Inputs
NDHQ	National Defence Headquarters
NMC	Not Mission Capable
NORAD	North American Aerospace Defense Command
OADR	Originating Agency's Determination Required
OCA	Original Classification Authority
ODC	Operational Display Console
OPLAN	Operational Plan
OPR	Office of Primary Responsibility
ORSL	Operational Recording Specification List
OSS	Operating System Set
OTH-B	Over the Horizon Backscatter Radar
PA	Office of Public Affairs
PACAF	Pacific Air Forces
PACE	Performance Analysis by Continuous Evaluation
PMC	Partially Mission Capable
PMD	Program Management Directive
PPCA	Programmable Peripheral Controller - A
PPCB	Programmable Peripheral Controller - B
PRF	Pulse Repetition Frequency
QOT&E	Qualification. Operations Test and Evaluation
RADES	Radar Evaluation Squadron
RADIL	ROCC/AWACS Digital Information Link
RAM	Random Access Memory
RDU	Radar Display Unit
ROCC	Region Operations Control Center
ROM	Read Only Memory
RSSF	ROCC System Support Facility
S	Secret Classification
SAGE	Semi-Automatic Ground Environment
SCC	System Control Console
SCG	Security Classification Guide
SEEK SKYHOOK	(See TARS)
SES	System Exercise Set
SETE	System Evaluation and Training Exercise
SIF	Selective Identification Feature

SM-ALC	Sacramento-Air Logistics Center
SOCC	Sector Operations Control Center
SRL	Standard Recording List
STOPR	Strategic Orbit/Recovery Point
SUS	Support Set
TAC	Tactical Air Command
TADIL	Tactical Digital Information Link
TARS	Tethered Aerostat Radar System
TBD	To Be Determined
TM	Technical Memorandum
U	Unclassified
UK	United Kingdom
US	United States
USAF	United States Air Force

SECTION II

OVERALL EFFORT

	TOPIC	CLASS	DOWNGRADE/ DECLAS	REMARKS
1.	Existence of JSS and Joint Use Radars	U	-	
2.	Project name (JSS) Program Numerics (968H)	U	-	
3.	Purpose of the system	U	-	
4.	Manning per site	U	-	
5.	System manning	U	-	
6.	FOC data of ROCC systems and facilities	U	-	
7.	The compilation of security vulnerabilities of military restricted areas and designated essential facilities in support of joint atmospheric connectivity.	C	OADR	Individual physical security vulnerabilities are "FOR OFFICIAL USE ONLY" For Canada-survey of an individual military restricted area must be classified according to content.

SECTION III

PERFORMANCE AND CAPABILITIES

A. COMMUNICATIONS

	TOPIC	CLASS	DOWNGRADE/ DECLASS	REMARKS
1.	Theoretical range and altitude limits of radio coverage	U	-	
2.	Radio coverage of individual sites as derived from actual measurement of radio performance in a controlled environment			This does not include PACE flights
	a. Alaska and Canada	C	OADR	
	b. CONUS and AFI	U	-	
	c. Hawaii	C	OADR	
3.	Data revealing the overall communications capabilities and limitation of a CF region	C	OADR	
4.	Overall performance and accuracy of the tactical communications of either CF ROCC.	C	OADR	
5.	Details of CF Air Defense communications systems, including ground-to-ground and air-to-air communications, which reveal operational capabilities.	C	OADR	
6.	Charts, maps and diagrams that show complete "off-base" tactical communications circuit routes that have a major effect on the efficiency of the ground environment systems in CF regions	C	OADR	
7.	Overall ROCC communications circuit requirements	U	-	

8.	Geographic coordinates of operational C-E ground environmental sites or facilities unless special considerations apply, such as the sensitivity of the mission or location, hardening, etc.	U	-	Separate security guidelines may apply for special situations or projects (sensitivity of the mission or location, hardening, etc.)
9.	Type, quantity and operational data of a C-E facility or equipment which is proposed for use or installed at one or more locations without explanation of its detailed use, absolute capability or specific limitations	U	-	Separate Security guidelines may apply for special situations or projects
10.	Technical discussions and procedures related strictly to C-E efforts, i.e., communications circuitry restoral, parts procurement, troubleshooting, etc.	U	-	
11.	USAF CAP listings	U	-	
12.	CF ground-to-air frequencies assigned for future use	C	OADR	Specific frequency will be UNCLASSIFIED after activation date or when radiated
13.	Frequency usage data	See Remarks	OADR	Classify IAW AFR 700-4 each usage entry will be classified on the basis of the data in the entry.

SECTION III

PERFORMANCE AND CAPABILITIES

B. ROCC/SOCC OPERATIONS

	TOPIC	CLASS	DOWNGRADE/ DECLAS	REMARKS
1.	Weapons tactics	S	OADR	Downgrade/Declassify IAW instruction assigned to specific tactics.
2.	Summaries, analyses, test results or other information which reveal a serious degradation of system operation			
	a. CONUS, Canada, AFI and Alaska	C	OADR	
	b. Hawaii	S	OADR	
3.	Mode II SIF codes			The list of SIF codes used in APS software is CONFIDENTIAL
	a. when associated with call signs and/or tail numbers	S	OADR	
	b. when not associated with call signs and/or tail numbers, i.e., PACE and radar evaluation flights	U	-	
4.	Operational recording tapes			
	a. JRT	S	OADR	SRL tapes are always classified. ORSL and CORL tapes may contain classified information and should be identified by the user.
	b. RADIL	See Remarks	OADR	a. If RADIL is linked with ROCC only, (recording lateral tell messages only), then recording tape is UNCLASSIFIED.

				b. If RADIL is linked with a TADIL A unit (E-3, Navy, etc) and TADIL A messages are on recording tape, then tape is CONFIDENTIAL or SECRET depending on specific users on the net. Refer on JTAO SCG.
5.	Manual Input Cards: Squadron Status and Interceptor Status	S	OADR	
6.	Number of Radar Messages			
	a. Being received from a site	U	-	**Unless site system limit has been reached, then CONFIDENTIAL.**
	b. Total messages being processed at the ROCC/ SOCC	C	OADR	
7.	Geography Tapes and Listings containing STOPR Points with positions	See Remarks	OADR	**Classified according to Region and NORAD OPLAN 3000.**

SECTION III

PERFORMANCE AND CAPABILITIES

C. MAINTENANCE INFORMATION

	TOPIC	CLASS	DOWNGRADE/ DECLASS	REMARKS
1.	Equipment Status Reports (ESR)			
	a. CONUS, Canada, Hawaii and AFI	U	-	
	b. Alaska	U	-	
2.	Equipment Status Summaries-A report of equipment outages that contains an open ETRO in excess of time indicated below.			
	a. Alaska, CONUS, Hawaii and AFI	U	-	
	b. Canada 24-hours	C	Declassify at termination of outage	
3.	Projected Outages of ROCCs/ SOCCs, and its associated Communications.	C	Declassify 30 minutes prior to actual outage	
4.	Status Reports processed through FAA channels that do not reflect an evaluation of mission capability.	U	-	
5.	Monthly Maintenance Schedules not creating Red time/non-mission capable at the ROCC/SOCC.	U	-	
6.	Reports on equipment detailing extent or results of enemy/ terrorist activity	C	OADR	

7.	Complete loss of search data from any one radar site	U	-
8.	Complete loss of search data from two or more adjacent radar sites	U	-
9.	Complete loss of height data from any one sensor	U	-
10.	Technical discussions and procedures related strictly to C-E effort, i.e. communications circuitry restoral, parts procurement, troubleshooting, etc.	U	-

SECTION III

PERFORMANCE AND CAPABILITIES

D. SENSORS

	TOPIC	CLASS	DOWNGRADE/ DECLASS	REMARKS
1.	Geographic locations of sensor sites.	U	-	Separate security guidelines may apply for special situations or projects (sensitivity of the mission or location, hardening, etc)
2.	Location of planned radar sites:			
	a. US sites	U	-	
	b. CF sites	C	OADR or Upon Public announcement (See remarks)	Location is UNCLASSIFIED after announcement that a facility is to be constructed at the location. The function of the facility remains CONFIDENTIAL until construction advances to the stage at which the facility function is visible, i.e., antenna mounted or radome constructed or DND releases information on the facility's function
3.	Theoretical range and altitude limits	U	-	
4.	Radar Coverage and tracking percentages of individual sites derived from actual measurements of radar performance in a controlled environment such as evaluations conducted by 84 RADES.			

	a. Alaska, Canada and TARS	C	OADR	
	b. Hawaii	S	OADR	
	c. CONUS and AFI	U	-	
5.	PACE scores and standards including Mark XII scores	U	-	**This includes FAA analysis of radar sites.**
6.	Height finder blanking and shadow angles/areas			
	a. Hawaii	S	OADR	
	b. All others	U	-	
7.	Data displayed on indicators at radar sites	U	-	
8.	Specific radar electromagnetic frequencies of the system to include letters or figures indicating actual frequency	U	-	
9.	Frequency bandwidth and band of the radar, including letters or figures indicating high and low frequency limits	U	-	
10.	Radar peak power or average peak power and antenna gain	U	-	
11.	CF radar frequencies assigned for future use	S	OADR	**Radar frequencies are UNCLASSIFIED when radiated.**
12.	PRF, frequency band or operating frequency of IFF/SIF interrogators	U	-	
13.	IFF Mark X (SIF) and Mark XII systems	See Remarks	-	**For specific data classification see: DOD International AIMS Program Security Classification Guide (OPR:WR-ALC/MMAM-AIMS Robins AFB GA) and AFR 205-36.**

SECTION III

PERFORMANCE AND CAPABILITIES

E. REGION/SECTOR OPERATIONS CONTROL CENTER (ROCC/SOCC) AND ROCC/SOCC SUPPORT HARDWARE

	TOPIC	CLASS	DOWNGRADE/ DECLASS	REMARKS
1.	Number of ROCCs/SOCCs	U	-	
2.	Geographical location of ROCCs/SOCCs	U	-	
3.	Nomenclature of ROCC/SOCC hardware	U	-	
4.	Computer storage capacity	U	-	RAM, ROM, Disks
5.	Number of display consoles per ROCC/SOCC site	U	-	
6.	Electronic displays visually observed, photographed or video taped, provided equipment settings/target data cannot be correlated with the displayed information to reveal detection, control or other classified capabilities	U	-	If Mode II codes or STOPRS are displayed, then display is SECRET. Mode II codes for PACE or radar evaluation flights are unclassified if not associated with call signs and/or tail numbers.

SECTION III

PERFORMANCE AND CAPABILITIES

F. ROCC/SOCC SOFTWARE AND FIRMWARE

	TOPIC	CLASS	DOWNGRADE/ DECLASS	REMARKS
1.	Applications Set (APS)			
	a. Listings/Tapes	See Remarks	OADR	See Table III. F-1
	b. APS system presets	See Remarks	OADR	For classification of specific items see Tm 637/030 and 820/000.
	c. Mode 4 Processing (APS CPC G)	C	OADR	
	d. Strobe/ Passive Tracking Processing (APS CPC P and Module TYZ)	C	OADR	
	e. Interceptor Control/ Guidance Processing (APS CPCs U and W)	C	OADR	
	f. Computer capabilities in accuracy or resolution of target position and error analysis	C	OADR	
	g. Detailed mathematical analyses or CPCs revealing significant information in areas such as error analysis and accuracy or resolution of target locations, and guidance calculations.	C	OADR	
	h. Other mathematical analyses which reveal methods of tracking, methods of tracking, identification, weapons assignment or closure on target.	C	OADR	
	i. Maximum duration of loss of target before the target status is changed to LOST	C	OADR	

	j. ROCC track handling capacity (T1)	C	OADR	
	k. Maximum number interceptor guidance channels	C	OADR	
	l. Display capacity of lateral told-in tracks	C	OADR	Does not apply to OTH-B tracks.
2.	Data Reduction Set (DRS)			
	a. Listings/Tapes	See Remarks	OADR	See Table III. F-1
	b. DRS Output Reports	C	OADR	
	(1) Interceptor History (S(A))	C	OADR	
	(2) MODE IV History (J(E))	C	OADR	
	(3) Correlated Sensor Data History(J(J))	See	OADR	Default is CONFIDENTIAL, report may be "unclassified only if Mode II code is unclassified.
	(4) IFF Accuracy and Error Counts J(D)	See Remarks	OADR	This report contains Mode II codes and should be aclassified if those Mode II codes are classified
	(5) All other fixed formats reports	U	-	
	(6) Dump/Snap, COMPOOL Special and Link/ Index reductions	See Remarks	OADR	The Report will be Classified according to the highest level of information being processed.
	(7) When reports are sent to Delayed Output (DLO) tapes instead of the line printer	See Remarks	OADR	Tapes should be classified IAW reports contained.
3.	Other CPCIs - Listings/ Tapes	See Remarks	OADR	See Table III. F-1 for specific classification by CPCI Sys/Subsys
4.	Octal or Hexadecimal memory dumps	See Remarks	OADR	Classify at highest classification of the system at the time of the dump until the user determines a lower classification is warranted upon review of dump.

5.	Aircraft Performance Data	S	OADR	
6.	Weapons Kill Probability (PK)	S	OADR	
7.	Geography Tapes and Listing containing STOPR Points with their positions	See Remarks	OADR	Classified according to Region and NORAD OPLAN 3000.

CPCI CLASSIFICATION TABLE

Tape ID	Symbolic	Binary	DLO	Info	Library	Master	Load Map
APS					S	S	U
COMPOOL	S	S	S	S			
SOURCE	C	C	C				
ADAPTATION	S	S	S				
GEOGRAPHY	U	U	U				
OSS						C	U
DC	C	C	C	C			
PPCA	U	U	U	U			
PPCB	U	U	U	U			
SCC	U	U	U	U			
COC/COS	U	U	U	U			
LOADERS	U	U	U				
ODC	U	U	U				
RDU	U	U	U				
DRS					C	C	U
COMPOOL	C	C	C	C			
SOURCE	C	C	C				
ADAPTATION	-	C					
SUS						C	U
CUS	C	C	C				
ALL OTHERS	U	U	U				
SES	ALL UNCLASSIFIED						
DIS	ALL UNCLASSIFIED						

TABLE III.F-1

SECTION III

PERFORMANCE AND CAPABILITIES

G. ELECTRONIC COUNTER COUNTER MEASURES

	TOPIC	CLASS	DOWNGRADE/ DECLASS	REMARKS
1.	Technical characteristics or schematic diagrams of ECCM equipment	S	OADR	**Exceptions: Characteristics and diagrams of the AN/FPS-93A, AN/FPS-6 and OA-3751 are unclassified**
2.	Information on ECCM developments or modifications addressing specific limitations or developments to counter known or perceived threats.			
	a. General Information	C	OADR	
	b. Specific/Detailed Information	S	OADR	
3.	Plans for improvements of a particular type of ECCM equipment or installation	C	OADR	
4.	The ECCM antenna configuration as may be viewed or photographed externally, provided no indication of frequency limits or other classified details of the equipment or components to which they are connected are revealed.	U	-	
5.	Vulnerability of communications subsystems to ECM	C	OADR	
6.	Radar characteristics which reveal system capabilities when used in an ECCM environment, such as			

	a. Frequency agility characteristics	U	-	**Hawaiian air defense system ECCM characteristics are Classified IAW HQ PACAF/IN Threat Assessment current version.**
	b. Staggered PRF characteristics	U	-	
	c. Maximum operational power limits	U	-	
	d. Pulse compression techniques and characteristics	U	-	
	e. Operational frequency spectrum	U	-	
7.	Operational capabilities and limitations of an overall active ECCM subsystem against various types of electronic equipment	S	OADR	
8.	The specific tactics and applications which may be employed in conjunction with ECCM equipment	C	OADR	
9.	The fact that there is an ECCM program and that these ECCM tests and training missions are coordinated and conducted regularly.	U	-	
10.	The fact the ECCM procurement delays, maintenance or supply difficulties have limited or reduced the capability of a sensor to operate in an ECM environment.	C	OADR	
11.	Test plans and/or results which address specific known or perceived threats.	S	OADR	

SECTION IV

REGION/SECTOR OPERATIONS CONTROL CENTER

SPECIFICATIONS

TOPIC	CLASS	DOWNGRADE/ DECLAS	REMARKS
1. System specifications and descriptions			
a. TM(NORAD) 637/029 and 637/030 Vol II	C	OADR	
b. All other TM(NORAD) 637-XX	U	-	
C. TM(NORAD) 820/0XX	S	OADR	
2. Plans and specifications for facilities (including buildings, electrical power and switchgear)	U	-	
3. Design specification of computer hardware peripheral equipment	U	-	
4. Design information, technical specifications and performance characteristics of data display console hardware	U	-	
5. Design of communications automatic switching unit	U	-	

SECTION V

DISTRIBUTION LIST

SYMBOL/ADDRESS	NO. OF COPIES
HQ USAF Washington DC 20330 XOOSN/LGPS/KRCCW/INYSA/MV/XOORC	1 each
AFOSP Kirtland AFB NM 87117-5000 SPIB	1
Secretary of the Air Force (OSAF/PAS) Washington DC 20330	1
HQ USAF/IGD Norton AFB CA 92409-5000	1
HQ AFSC Andrews AFB DC 20334-5000 SDED/SPI/PA	1 each
HQ ESD HANSCON AFB MA 01731-5000 PKS-3 SPI SCB AFCS/SAS ATC/XPQE AFALD/LUS AFCC/SAF	 1 3 1 1 1 1 1
HQ AFSPACECOM Peterson AFB CO 80914-5001 CSF/LKOM/LKB/LKN/DOT	1 each
HQ NORAD Peterson AFB CO 80914-5002 NCO/NPD/NCOOS/SPI/NCS/NCC/IG/PA	1 each
SIO Peterson AFB CO 80914-5001 SYA/SYC/SYP	1 each
1 AF Langley AFB VA 23665-5009 LGK/SCX/DOC/LGSY DOCO	 1 each 3

SE AD SECTOR Tyndall AFB FL 32403-6702	
DOC/LGK/SCX/DOCP	2 each
DOO	18 copies (Distribut to LRRs)
NE AD SECTOR Griffiss AFB NY 13441-5000	
DOC/LGK/SCX/DOCP	2 each
DOT	10 copies (Distribute to LRRs)
NW AD SECTOR McChord AFB WA 98438-6003	
DOC/SCX/LGK/DOP	2 each
DOT	9 copies (Distribute to LRRs)
SW AD SECTOR March AFB CA 92518-5000	
DOC/SCX/LGK/DOP/LGKM	2 each
DOT	12 copies (Distribute to LRRs)
HQ TAC Langley AFB VA 23665	
LGK-4/SPI/DOYG/DRCF/SCXE/SCPT/XPPF/DRI	1 each
HQ TAC/LO Peterson AFB CO 80914-5001	1
Defense Technical Information Center Cameron Station Alexandria VA 22314	
DDC	1
National Defence Headquarters Ottawa, Ontario, Canada K1A OK2	
DEEM 2-5/D SECUR 4/D COMSEC 5-4/ DCESR 2/DCEM 2-3/DAOT 6-2	1 each
Air Command CFB Winnipeg Westwin, Manitoba, Canada R2R OTO	
ACS	1
Fighter Group Headquarters CFB North Bay Hornell Heights, Ontario, Canada POH 1PO	
DCOS-AIR/DCOS-SP	1 each

Canadian NORAD Region Headquarters CFB North Bay Hornell Heights, Ontario, Canada P0H 1P0 PDO	7
11 TCG Elmendorf AFB AK 99506-5001 DOC/LGK	1 each
NORAD CPUSS (RSSF) Tyndall AFB FL 32403-6702 ADM/ADY/ADS/Library/Security Officer/Security NCO	6
AFI APO NY 09571 LGK/SC/DOT/DOR DOY	2 each 6 (Distribute to LRRs)
932 ADS/DOQ FPO NY 09571-2056	1
140 ACWS Punta Salinas PR 00914 DO	2
4700 OSS Williamsburg, VA 23185 DCT	1
HQ PACAF Hickam AFB HI 96853-5001 DOCD/SCX	1 each
326 AD Wheeler AFB HI 96854-5000 CA/DOG/DOC	2 each
154 COMPG Hickam AFB HI 96853-5001 DOC/MAI	2 each
169 ACWS Wheeler AFB HI 96854-5000 DO/MAI	2 each
150 ACWS P.O. Box 357 Kekaha HI 96752 DO/MAI	2 each

ASD
Wright-Patterson AFB OH 45433-5000
SP 1

84 RADES
Hill AFB UT 84056-6348
DO 1

HQ AFLC-LOC
Wright-Patterson AFB OH 45433-5000
SDCS 1

HQ AFCC
Scott AFB IL 62225-5000
DOV 1

HQ ATC
Randolph AFB TX 78148-5000
XPQW/TTKA 1 each

OLAJ 4525 CAS
Patrick AFB FL 32925-6507
CC 2

Director Material Management
McClellan AFB CA 95652-5000
MMAM/MMC/MME/MMCANFORCE/MMCMC 1each

Director Material Management
Robing AFB GA 31039-5000
MMIMB/MMIRDC 1 each

HQ AAC
Elmendorf AFB AK 99506
DOY/LGMK/XPP1/LGCC/SCOX 2 each

485 EIG
Griffiss AFB NY 13441-5000
EIPT 1

HQ EID
Oklahoma Air Force Station
Oklahoma City OK 73145
EI 1

Federal Aviation Administration
800 Independence Avenue SW
Washington DC 20591
Attn: ACS-300 1
APS-304, APS-350 2 each
ASM-100, ASM-103 4 each
ATO-100/140 1

HQ Defense Investigative Service
Industrial Security Office (V0410)
1900 Half St
Wash DC 20324 — 1

DIS Director of Industrial Security: — 1 each

2461 Eisenhower Ave
Alexandria VA 22331

1040 Kings Hwy North
Cherry Hills NJ 08034-1908

Federal Office Bldg
1240 E 9th St
Cleveland OH 44199

Barnes Bldg
495 Summer St
Boston MA 02210

Presidio of San Francisco
San Francisco CA 94129

3605 Long Beach Blvd, Suite 405
Long Beach CA 90807

805 Walker St
Marietta GA 30060

1136 Washington Ave
St Louis MO 63101

Dept of the Navy — 1
Joint Air Reconnaissance Control Center
Naval Air Station
Key West FL 33040-5000

141 ACWS — 1
Punta Borinquen PR
DO

USAFTAWC
Eglin AFB FL 32542
TH — 1

(THIS PAGE INTENTIONALLY LEFT BLANK)